

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF AGRICULTURE
DIVISION OF LIVESTOCK DISEASE CONTROL

REPORT

JULY 1, 1944 - JUNE 30, 1945

REPORT OF THE DIVISION OF LIVESTOCK DISEASE CONTROL

JULY 1, 1944 - JUNE 30, 1945

To the Commissioner of Agriculture:

The report of the Division of Livestock Disease Control for the fiscal year July 1, 1944 to June 30, 1945, inclusive, is herewith submitted.

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On July 7, 1944 Doctor Winfield Scott Stone, appointed August 4, 1943 under provisions of Chapter 447, Acts of 1943 as Assistant Director of the Division of Livestock Disease Control, resigned to accept a similar position with the New York Bureau of Animal Industry, his home State.

* * * * *

Eight thousand six hundred sixty-eight (8,668) or 34 3/10% of the twenty-five thousand two hundred fifty (25,250) dairy cattle received interstate were of Canadian origin.

* * * * *

One hundred eight (108) or 26 4/10% of the four hundred nine (409) cattle declared as reactors to the tuberculin test were of Canadian origin. This subject, and Canadian shipments in general, were discussed at length at a meeting of the New England Livestock Sanitary Association held at the office of the Division of Livestock Disease Control on June 27, 1945 at which meeting officials of the New York Department of Animal Industry and the Veterinary Director General of the Canadian Department of Agriculture were in attendance by invitation of the association.

* * * * *

The high percentage of "no visible lesions" of tuberculosis, reported at time of slaughter of reactors to the tuberculin test, continues of serious concern to the Division but is however reported as also confronting livestock officials throughout the United States.

* * * * *

There has been no case of rabies recorded in the Commonwealth since October, 1943, a period of twenty (20) months, as compared with a total of seven (7) cases in the year 1943 and eight hundred sixty-two (862) in the year 1928.

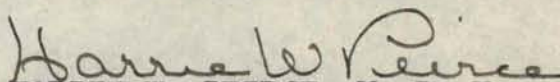
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The inspection of neat cattle, sheep and swine in accordance with Chapter 129, Section 19, General Laws and the meetings of Inspectors of Animals, customarily arranged for each year, were again postponed due to the continued wartime restrictions on travel and the shortages of gasoline and rubber.

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The following tables and data show in detail the activities of the Division for the period of this report, July 1, 1944 to June 30, 1945, inclusive.

Respectfully submitted,


HARRIE W. PEIRCE, M. D. V.
DIRECTOR

BOVINE TUBERCULOSIS

(Chapter 219, Section 33, General Laws, Tercentenary Edition,
as amended by Chapter 272, Acts of 1934)

There were fourteen thousand nine hundred ninety-four (14,994) herd tuberculin tests, two hundred ten thousand three hundred thirty-two (210,332) animal tests applied to which four hundred nine (409) head of cattle, or 19/100 of 1%, were declared reactors as compared with fourteen thousand one hundred fifty-six (4,156) herd tests; two hundred twenty-six thousand one hundred seventy-six (226,176) animal tests and six hundred twenty-eight (628), or 26/100 of 1% reactors, in the corresponding period, June 30, 1943 to July 1, 1944.

One hundred eighty (180), or 44%, of the four hundred nine (409) cattle declared to be reactors were reported as having "no visible lesions" of tuberculosis at time of slaughter.

The carcasses of ten of the "reactor" cattle were condemned at time of slaughter as unfit for food purposes due to "generalized" tuberculosis.

One hundred eight (108) reactor cattle were identified as originating from Canada. Of that number fifty-four (54) were reported as having "no visible lesions" of tuberculosis when slaughtered, and two (2) were condemned as "generalized" tuberculosis.

One thousand nine hundred thirty-eight (1,938) herds containing ten thousand one hundred fifty-nine (10,159) head of cattle, included in the census report of June 30, 1944, were disposed of by owners prior to the census for the period ending June 30, 1945.

Nine hundred forty-seven (947) herds in which testing had not previously been conducted and containing four thousand one hundred thirty-six (4,136) head of cattle, recorded in the following tables as "first tests," are included in the census report for the period ending June 30, 1945.

Tuberculin tests are conducted by State approved Federal accredited veterinarians under a State and Federal Co-operative Plan for the establishment of tuberculosis-free accredited herds and the eradication of bovine tuberculosis.

Following is a summary of tuberculin tests as made by veterinarians for the twelve month period of this report:

	<u>Herds</u>	<u>Head</u>	<u>Reactors</u>
Veterinarians paid by the State on a salary basis	4,128	51,939	62
Veterinarians paid by the State on a per diem basis	7,904	113,730	231
Veterinarians authorized by request of and paid by the owners	53	1,613	5
Veterinarians paid by the Federal Government	2,909 <u>14,994</u>	43,050 <u>210,332</u>	<u>111</u> <u>409</u>

TUBERCULIN TESTING BY COUNTIES

	FIRST TESTS												RETESTS												TOTALS				
	CLEAN				WITH REACTORS								CLEAN				WITH REACTORS												
	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Total	Pb	Gd	R	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Total	Pb	Gd	R	Hrds	Pb	Gd	Total	R		
1944-1945																													
Barnstable	23	3	41	44								178	90	743	833								201	93	784	877			
Berkshire	76	20	357	377	1		12	12		1	1	1259	3258	21812	25070	10	60	335	395	3	34	37	1346	3338	22516	25854	38		
Bristol	108	37	230	419	1		2	2		1	1	1589	2395	19868	22263	49	96	1349	1445	9	84	93	1747	2530	21599	24129	94		
Dukes	18	3	33	36								82	15	438	453								100	18	471	489			
Essex	51	21	225	246								939	2419	11308	13727	11	18	933	941	1	23	24	901	2458	12456	14914	24		
Franklin	110	12	495	507								1523	1555	18872	20427	5		520	520		34	34	1638	1567	19887	21454	34		
Hampden	71	50	260	310	1		2	2		1	1	1115	1415	10689	12104	1	3	52	55		3	3	1188	1468	11003	12471	4		
Hampshire	36	21	221	242								1387	2136	14733	16869	5	2	162	164	1	9	9	1428	2159	15116	17275	9		
Middlesex	89	2	322	324	2	44	13	57	1	5	6	1480	2603	17928	20531	8	8	361	369	1	11	12	1579	2657	18624	21281	18		
Nantucket																													
Norfolk	70	50	169	219								582	1314	6593	7907	23	10	1146	1156	2	45	47	675	1374	7908	9282	47		
Plymouth	77	28	269	297	1	10	30	40	1	5	6	773	1353	9883	11236	23	99	1114	1213	11	31	35	874	1490	11296	12786	41		
Suffolk	1		3	3								6	187	7	194	1	66	66	2		2	8	253	10	263	2			
Worcester	211	51	948	999								3040	5112	41220	46332	58	191	1735	1926	10	88	98	3309	5354	43903	49257	98		
	941	300			6	54						13853				194	553						14994	24759					
			3723				59							23852				7697							185573				
				4023				113			2				174094											210332			
											13											33							
											15												361						
																								394			409		

TUBERCULIN TESTING BY MONTHS

	FIRST TESTS												RETESTS												TOTALS				
	CLEAN				WITH REACTORS								CLEAN				WITH REACTORS												
	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Total	Pb	Gd	R	Hrds	Pb	Gd	Total	Hrds	Pb	Gd	Total	Pb	Gd	R	Hrds	Pb	Gd	Total	R		
1944-1945																													
July	51	21	226	247								624	714	6393	7107	5	66	307	373	2	11	13	680	801	6926	7727	13		
August	44	7	115	122	1	10	30	40	1	5	6	744	350	4820	5170	12	7	269	276	3	22	25	801	374	5234	5608	31		
September	110	20	368	388	1		12	12			1	721	553	7826	9379	8	6	326	332	2	10	12	840	579	8532	9111	13		
October	89	43	321	364								1055	785	12696	13481	17	54	738	792	6	29	35	1161	882	13755	14637	35		
November	75	3	392	395								1202	2441	16768	19209	17	67	566	633	4	29	33	1294	2511	17726	20237	33		
December	82	6	348	354								1027	2848	16947	19795	19	115	1010	1125	3	35	38	1128	2969	18305	21274	38		
January	64	19	262	281	3	44	4	48	1	2	3	1499	3232	20945	24177	31	70	925	1025	3	59	62	1547	3365	22166	25531	65		
February	65	41	249	290								1277	2674	17480	20154	15	26	254	280	1	27	28	1357	2741	18583	21324	28		
March	93	47	371	418								1756	3100	22507	25607	21	56	737	793	4	37	41	1870	3203	23615	26818	41		
April	94	34	367	401								1581	3571	21905	25476	21	44	962	1006	3	54	57	1696	3649	23234	26883	57		
May	114	42	440	482	1		13	13			5	1649	3036	18918	21954	21	12	653	665	1	34	35	1785	3090	20024	23114	40		
June	60	17	264	281								718	548	6889	7437	7	30	320	350	1	14	15	785	595	7473	8068	15		
	941	300	3723	4023	6	54						13853	23852	174094	197946	194	553	7697	8250				14994	24759	185,573	210,332			
								113		2	13									33	361		394				409		
											15																		

COUNTY CENSUS AND INFECTION

. (June 30, 1945)

County	Herds	Head	Infection			Herds of	
			Herds	Head	Reactors	Three Head or Less	Head
Barnstable	359	1,485				288	452
Berkshire	1,836	25,584	1	4	1	843	1,574
Bristol	2,023	22,251	3	132	5	1,073	1,859
Dukes	110	512				73	120
Essex	1,230	14,544	4	457	7	599	1,109
Franklin	1,749	20,886	2	75	21	718	1,376
Hampden	1,584	13,111	1	55	3	885	1,624
Hampshire	1,665	18,721	3	102	5	776	1,411
Middlesex	2,057	21,663	2	41	6	1,101	1,989
Nantucket	37	367				20	34
Norfolk	894	9,141	3	100	9	519	891
Plymouth	1,212	10,804	2	72	5	777	1,380
Suffolk	11	139				7	11
Worcester	4,045	47,756	6	176	6	1,879	3,544
Total	18,812	206,964	27	1,214	68	9,558	17,374

APPRAISALS

PUREBREDS				GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
July '44				13	\$2,540.00	\$195.38	13	\$2,540.00	\$195.38
August	4	\$930.00	\$232.50	27	4,830.00	178.88	31	5,760.00	185.80
September	2	550.00	275.00	11	2,270.00	206.36	13	2,820.00	216.92
October	6	1,775.00	295.83	29	5,975.00	206.03	35	7,750.00	221.42
November	4	1,300.00	325.00	29	5,730.00	191.58	33	7,030.00	213.03
December	3	375.00	125.00	35	6,230.00	178.00	38	6,605.00	173.81
January '45	3	300.00	100.00	62	12,040.00	194.19	65	12,340.00	189.84
February	1	250.00	250.00	27	5,345.00	197.96	28	5,595.00	199.82
March	4	1,175.00	293.75	37	7,005.00	189.32	41	8,180.00	199.51
April	3	850.00	283.33	54	9,475.00	175.46	57	10,325.00	181.14
May	1	300.00	300.00	39	6,905.00	177.05	40	10,205.00	255.12
June	1	350.00	350.00	14	2,825.00	201.78	15	3,175.00	211.66
	32	\$8,155.00	\$254.84	377	\$71,170.00	\$188.78	409	\$82,325.00	\$201.28

SALVAGE

PUREBREDS				GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
July '44				13	\$764.17	\$58.78	13	\$764.17	\$58.78
August	4	\$201.25	\$50.30	27	1,371.31	50.79	31	1,572.56	50.72
September	2	140.15	70.08	11	571.34	51.94	13	711.49	54.73
October	6	213.22	35.53	29	1,976.31	68.14	35	2,189.53	62.55
November	4	243.13	60.78	29	1,603.07	55.27	33	1,846.20	55.94
December	3	68.90	22.96	35	2,246.97	64.19	38	2,315.37	60.94
January '45	3	78.50	26.16	62	4,341.40	70.02	65	4,419.90	67.99
February	1	64.95	64.95	27	2,088.40	77.34	28	2,153.35	76.90
March	4	249.13	62.28	37	2,673.28	72.25	41	2,922.41	71.27
April	3	261.50	87.16	54	2,286.84	42.34	57	2,548.34	44.70
May	1	101.25	101.25	39	2,287.83	58.66	40	2,389.08	59.72
June	1	56.48	56.48	14	1,177.72	84.12	15	1,234.20	82.28
	32	\$1,678.46	\$52.45	377	\$23,388.64	\$62.04	409	\$25,067.10	\$61.29

INDEMNITY

PUREBREDS				GRADES			TOTAL		
	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE	HEAD	AMOUNT	AVERAGE
July '44				13	\$675.41	\$51.95	13	\$675.41	\$51.95
August	4	\$282.18	\$70.54	27	1,218.40	45.12	31	1,500.58	48.40
September	2	150.00	75.00	11	550.00	50.00	13	700.00	53.84
October	6	361.98	60.33	29	1,272.07	43.86	35	1,634.05	46.68
November	4	300.00	75.00	29	1,400.00	48.27	33	1,700.00	51.51
December	3	120.17	40.05	35	1,471.64	42.04	38	1,591.81	41.88
January '45	3	110.76	36.92	62	2,738.47	44.16	65	2,849.23	43.83
February	1	75.00	75.00	27	1,323.89	49.03	28	1,398.89	49.96
March	4	300.00	75.00	37	1,728.89	46.72	41	2,028.89	49.48
April	3	225.00	75.00	54	2,286.84	42.34	57	2,511.84	44.06
May	1	75.00	75.00	39	1,730.01	44.35	40	1,805.01	45.12
June	1	75.00	75.00	14	570.71	40.77	15	645.71	43.04
	32	\$2,075.09	\$64.85	377	\$16,966.33	\$45.00	409	\$19,041.42	\$46.55

TUBERCULIN TESTING OF GOATS

Service for the testing of goats for tuberculosis, and the drawing of blood samples and laboratory examination for brucellosis is furnished on written request and without expense to owners upon agreement by said owner that goats declared as reactors to either test are to be immediately disposed of for slaughter, without appraisal or payment of compensation by the Commonwealth.

Under this type of service tests for both tuberculosis and brucellosis were applied to thirty-three (33) goats for five (5) different owners with negative results, indicating the goats to be free from tuberculosis and brucellosis.

INTERSTATE RECEIPTS OF CATTLE

Three thousand one hundred sixty (3,160) permits were issued covering twenty-one thousand one hundred seventy-six (21,176) head of dairy and breeding cattle.

Four thousand seventy-four (4,074) dairy cattle were received at the Brighton Quarantine Station, making a total of twenty-five thousand two hundred fifty (25,250) dairy and breeding cattle received.

	DAIRY CATTLE		BEEF CATTLE	
	On Permit	At Brighton	On Permit	At Brighton
Canada	5,820	74		
Connecticut	1,311		74	
Illinois	380		7,655	
Indiana	27		851	
Iowa	330			
Kansas	48		57	
Maine	467	2,847		
Michigan	32			
Minnesota	1,116	21	913	
Missouri			2,106	
New Hampshire	1,384	595	319	
New Jersey	22		23	
New York	705		260	
North Dakota	67		151	
Ohio	679			
Oregon	1			
Pennsylvania	30			
Rhode Island	201	5	1,177	
South Dakota	6		37	
Vermont	6,932	532	306	
Virginia			10	
Wisconsin	1,618			
Miscellaneous				279
Total	21,176	4,074	13,939	279

Of the twenty-five thousand two hundred fifty (25,250) cattle received one hundred seven (107) from Connecticut, thirty-seven (37) from Maine, two hundred twenty-seven (227) from New Hampshire, seventy (70) from Rhode Island, and two thousand three hundred thirty-three (2,333) from Vermont were Canadian cattle reshipped into Massachusetts, and five thousand eight hundred ninety-four (5,894) were received direct from Canada, or a total of eight thousand six hundred sixty-eight (8,668) or 34 3/10% of interstate receipts as of Canadian origin.

QUARANTINE STATION AT BRIGHTON

Dairy Cattle:

	<u>Total</u>	<u>Released</u>	<u>Released</u>	<u>Permit</u>	<u>Returned</u>
	<u>Receipts</u>	<u>on Papers</u>	<u>after Test</u>	<u>to Kill</u>	<u>to Owner</u>
Canada	74	74			
Maine	2,850	2,836	11	3	
Minnesota	21	21			
New Hampshire	597	594	1		2
Rhode Island	5	5			
Vermont	533	526	6	1	
Total	4,080	4,056	18	4	2
Massachusetts	877	862	5	2	8
Total	4,957	4,918	23*	6*	10*

*Reason for holding:

	<u>No Papers</u>	<u>Blood Test</u>	<u>Actinomyosis</u>
Maine	3	10	1
New Hampshire	2	1	
Vermont	2	5	
Massachusetts	15		
	22	16	1

Disposition of cattle held:

	<u>Tested and</u>	<u>Permit</u>	<u>Returned</u>
	<u>Released</u>	<u>to Kill</u>	<u>to Owner</u>
Maine	11	3	
New Hampshire	1		2
Vermont	6	1	
Massachusetts	5	2	8
	23	6	10

Of the four thousand seventy-four (4,074) cattle received interstate and released two thousand nine hundred thirty-two (2,932) remained in Massachusetts, one thousand one hundred twenty-six (1,126) were reshipped to Rhode Island, fifteen (15) to Connecticut, and one (1) to New Hampshire.

Two hundred seventy-nine (279) of beef type cattle were received, checked and released for "feeder" purposes.

Diseased cattle received and released for immediate slaughter:

	T. B. Reactors	From Quarantined Herds	Blood Reactors	Actinomycosis	Mastitis
Massachusetts	325	215		1	1
Maine			331	1	
New Hampshire	26		416		
Rhode Island	23		23		
Vermont	1				
Total	375	215	770	2	1

Dairy cattle and feeder cattle are restricted to the sales barns and yards and do not come in contact with the slaughter cattle.

The dairy barn and trucks conveying reactor or diseased cattle are regularly cleansed and disinfected.

Eight hundred eighty-six (886) head of cattle were vaccinated for prevention of shipping fever, for which a total of one hundred thirty-two dollars and ninety cents (\$132.90) was collected. This service is furnished to owners without cost other than fifteen (\$.15) cents per animal to cover the cost of the biologic used.

EXPORTS

Interstate certificates of health were issued on two thousand nine hundred eighty-five (2,985) head of cattle exported to other States as follows:

<u>Destination</u>	<u>Head</u>	<u>Destination</u>	<u>Head</u>
Arizona	1	New Hampshire	465
California	4	New Jersey	36
Canada	7	New York	199
Colorado	4	North Carolina	6
Connecticut	943	North Dakota	4
Delaware	1	Ohio	38
Idaho	1	Oklahoma	4
Illinois	11	Oregon	2
Indiana	36	Pennsylvania	20
Iowa	9	Rhode Island	687
Kansas	4	South Carolina	6
Louisiana	6	South Dakota	1
Maine	65	Tennessee	1
Maryland	12	Texas	3
Michigan	4	Vermont	335
Minnesota	11	Virginia	11
Mississippi	7	Washington	14
Missouri	2	West Virginia	1
Nebraska	2	Wisconsin	22
			<u>2,985</u>

BRUCELLOSIS

Vials for use in collecting blood samples and laboratory examination of said samples are furnished without expense to owners of cattle.

The Division does not assign veterinarians for the drawing of blood samples except under special agreement with owners of cattle from which persons reported as affected with undulant fever have obtained their milk supply.

The following tabulation is a record of results of examination of blood samples submitted to the laboratory from cattle intended for interstate shipment; for maintenance of the status of Accredited Bang's Disease-Free herds, and from cattle in herds in the process of accreditation.

	Negative	Positive	Doubtful*	Unsatisfactory**	Total
Cattle	18,835	1,495	1,585	358	22,273
Goats	72		1	5	78
Horses	1	1	4		6
	18,908	1,496	1,590	363	22,357

* Include bloods from vaccinated animals.

** Containers broken, insufficient quantity of blood, and hemolyzed.

Accredited Herds: (June 30, 1945)

Accredited Bang's Disease-Free Herds	51
Accredited Bang's Disease-Free Vaccinated Herds	45
Cattle in Accredited Bang's Disease-Free Herds	2,457
Cattle in Accredited Bang's Disease-Free Vaccinated Herds	2,766

CALFHOOD VACCINATION
(for prevention of Brucellosis)

The vaccination of young stock between the age of four months and time of first breeding (usually 18 to 20 months) under a State and Federal co-operative plan at time of the periodic tuberculin test is provided without expense to owners for such service and vaccine.

CALFHOOD VACCINATION

(by months)

	SALARIED AGENTS		PER DIEM AGENTS		FEDERAL AGENTS		TOTAL	
	Herds	Head	Herds	Head	Herds	Head	Herds	Head
July '44	61	195	4	5	59	148	124	348
August	38	84	12	29	90	188	140	301
September	19	44	38	87	56	166	113	297
October	107	331	86	227	112	354	305	912
November	92	315	205	661	69	275	366	1,251
December	89	376	157	700	43	193	289	1,269
January 45	141	528	148	610	93	294	382	1,432
February	92	281	181	633	52	185	325	1,099
March	105	387	210	717	83	267	398	1,371
April	81	327	223	874	58	198	362	1,399
May	77	245	155	535	88	222	320	1,002
June	34	86	33	89	41	83	108	258
Totals	936	3,199	1,452	5,167	844	2,573	3,232	10,939

CALFHOOD VACCINATION

(by counties)

Vaccination at time of the tuberculin test under the State and Federal Co-operative Plan was conducted as follows:

County	Herds	Head
Berkshire	307	1,607
Bristol	357	918
Essex	127	431
Franklin	385	1,464
Hampden	442	1,239
Hampshire	245	924
Middlesex	280	865
Norfolk	132	343
Plymouth	139	410
Suffolk	1	1
Worcester	817	2,737
	3,232	10,939

In addition to the foregoing tabulations five hundred fifty-three (553) head of young cattle were vaccinated by Federal veterinarians in herds of seventy-four (74) owners connected with the United States Bureau of Animal Industry experimental vaccination project.

LICENSED DEALERS IN BOVINE ANIMALS

Under the provisions of Chapter 607, Acts of 1941, there were four hundred fifty-two (452) licenses issued to dealers for the sale of dairy and beef cattle, and five hundred fifty-five (555) cattle dealer identification plates were issued for use on the trucks operated by these dealers.

A total of eighteen thousand four hundred forty (18,440) dairy cattle and three thousand one hundred thirty-nine (3,139) beef cattle were reported by licensed dealers as purchased and sold.

RABIES

There has been no case of rabies during the year.

Laboratory examination of the brains of five dogs reported as "suspicious" of rabies proved "negative for rabies."

Under Massachusetts Department of Public Health regulations (Chapter 111, General Laws as amended by Chapter 265, Acts of 1938, Sections 6 and 7) "dog bite" is declared a disease dangerous to public health.

Under Division of Livestock Disease Control regulations, Order No. 34, Section 3: "All dogs known to have bitten persons shall be quarantined for a period of fourteen (14) days for observation, at the end of which period if no symptoms of rabies have developed said animals may be released from quarantine on order of the Director."

Investigation of reported injuries inflicted to persons by biting of dogs and the quarantining of such dogs is one of the duties of the Inspectors of Animals.

Nine thousand three hundred eighty-four (9,384) animals were quarantined under this requirement during the year.

The following tabulation includes injuries reported inflicted by animals other than dogs.

RABIES

	SHOWING SYMPTOMS			CONTACTS			BITE CASES			TOTAL		
	Positive	Negative	Question-able	Released	Killed or Died - No Symptoms	Killed or Died - Positive	Pending	Released	Killed - No Examination	Killed - Negative	Pending	
Brought Forward								482				
July '44								1048		18		
August								914		14		
September								689	3	6		
October								643	2	15		
November								520		8		
December								448		19		
January '45								470	1	7		
February		1						433		8		
March		1						789		17		
April		1						1076	1	10		
May		1						1069		14		
June		1						419		19		
Forward											704	
		5						9000	7	155	704	9866

Animals Involved

Cats							57		27	8	92
Cattle									1		1
Dogs		5					8940	7	120	696	9763
Fox									1		1
Monkey							2				2
Rabbit							1				1
Rat									2		2
Skunk									1		1
Squirrel									2		2
Woodchuck									1		1
		5					9000	7	155	704	9866

The heads of one hundred twenty-five (125) dogs, twenty-seven (27) cats, one (1) calf, one (1) fox, one (1) skunk, two (2) squirrels, and one (1) woodchuck were received at the laboratory for examination, of which five (5) dogs were reported "questionable" and the others all reported negative for rabies.

Nine thousand one hundred ninety-one (9,191) persons were reported as bitten or scratched by animals.

MISCELLANEOUS DISEASES

Actinomycosis:(Cattle) One (1) case was reported in each of two (2) towns located in Berkshire County.

Anthrax: Specimens submitted from two (2) cows found dead on one (1) premises in Berkshire County were negative to anthrax. Death was diagnosed as due to wild cherry poisoning. Ninety (90) head of cattle moved on to premises where this disease had previously occurred were given preventive vaccination treatment.

Blackleg: Deaths in cattle due to blackleg were reported in the Towns of Acton, three (3) head, and Lanesboro, five (5) head. Preventive vaccination treatment was given, upon request of owners, to young cattle in so-called "blackleg" areas without expense to owners. Treatment was applied to one thousand nine hundred fifty-six (1,956) head of cattle in one hundred eighty-nine (189) herds as follows: Berkshire County, sixty-seven (67) premises, eight hundred ninety-two (892) head; Franklin County, sixteen (16) premises, one hundred (100) head; Hampden County, seventeen (17) premises, one hundred fifteen (115) head; Hampshire County, forty-nine (49) premises, four hundred seventy-seven (477) head; Middlesex County, seven (7) premises, forty-one (41) head; Worcester County, thirty-three (33) premises, three hundred thirty-one (331) head.

Forage Poison: Deaths of twenty-five head of cattle from bracken, or fern poison, were reported in three towns in Worcester County as follows: Barre, three (3), Lunenburg, ten (10), and Templeton, twelve (12).

Encephalomyelitis: One (1) horse in Worcester County was reported affected with this disease but diagnosis was questionable. The horse recovered. The diagnosis on one (1) horse in Norfolk County was negative. The condition of this animal was due to an injury caused by a blow on the head. This horse was destroyed.

Glanders: Blood samples from two (2) horses on one premises in Norfolk County were negative.

Hemorrhagic Septicemia:(Shipping Fever) The virulent type of this disease was found on one (1) premises in Methuen (Essex County); ten (10) out of a shipment of eighteen (18) head of cattle died.

Johnnes Disease: Suspected cases were reported, one (1) in Bristol County and one (1) in Plymouth County. The diagnoses were not confirmed.

Listeriosis: Listeriosis was reported in one(1) goat. Examination of specimens by laboratory confirmed the diagnosis.

Mange: (Barn Itch) One (1) herd in Middlesex County was reported to be affected.

Mineral Poison:

Arsenic: Twenty-four (24) head of cattle pastured on premises bordering on the New York, New Haven and Hartford Railroad, the road bed of which had been sprayed with a "weed killer" containing a concentrated solution of four pounds of arsenic trioxide and one pound caustic soda to the gallon, died from arsenic poisoning in the Towns of Fairhaven, (nine (9) head), Holbrook (six (6) head), Mattapoisett (one (1) head), and West Bridgewater (eight (8) head). Diagnosis was confirmed by the laboratory of the Massachusetts Department of Public Safety.

Sodium Phosphate: This mineral caused the death of one cow at the Medfield State Hospital. Diagnosis was confirmed by the Department of Public Safety laboratory. It was also the suspected cause of death in two cows in Lexington, although not confirmed by laboratory examination.

Poultry Diseases:

Avian tuberculosis was reported on one (1) premises in Middlesex County, and one (1) in Suffolk County. Advice was given to owners to kill all adult birds and clean and disinfect the henhouses, yards, etc.

Newcastle Disease: This disease was suspected in a flock of hens in Middlesex County in which three hundred forty (340) or more young poultry out of six hundred (600) died. Death proved to be caused by pullorum disease. Newcastle disease (so-called) was present for several years with a very high mortality rate in the Newcastle section of England, and on the English Island possessions. This disease has been diagnosed in New Jersey and New York in the past year. A disease similar in many respects to Newcastle disease, referred to as pneumo-encephalitis, was reported in California about three years ago, since which time it has spread over a large section of that State.

Diagnoses in poultry cases are made at the Massachusetts State College.

FINANCIAL STATEMENT

(July 1, 1944 - June 30, 1945)

<u>Appropriation Classification</u>	<u>Appropriation</u>	<u>Expenditure</u>
Director's Salary.....	\$4,000.00	\$3,354.24
Personal Services.... \$25,000.00		
Transferred..... <u>3,000.00</u>	28,000.00	27,547.18
Expenses (Office).....	8,100.00	7,068.63
Personal Services:		
Veterinarians & Agents.....	52,360.00	48,558.54
Traveling Expenses:		
Veterinarians & Agents.....	8,000.00	6,585.77
Extermination.....	3,560.00	1,860.86
Reimbursement for Certain		
Cattle Killed..... \$30,000.00		
Brought forward from		
1944 Appropriation.. <u>10,837.67</u>	40,837.67	18,915.29
Reimbursement to Towns		
for Inspectors of Animals.....	5,200.00	3,146.08
	<u>\$150,057.67</u>	<u>\$117,036.59</u>
Unexpended Balance.....		33,021.08
	<u>\$150,057.67</u>	<u>\$150,057.67</u>